

**Abstract**

The present invention provides compositions and methods of using these compositions for enteric dialysis to treat renal, hepatic and gastrointestinal diseases by 5 eliminating toxins and other metabolic waste products and reducing or retarding undesirable bacterial over growth. The compositions of the present invention comprise a probiotic. These compositions are useful in treating renal and hepatic diseases and bacterial overgrowth in the gastrointestinal 10 tract.